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IN THE CLAIMS

Please amend the claims as follows:

Claims 1-43 (Cancelled).

44. (Previously Presented) A method of lowering the surface tension or the interface tension of water comprising adding a polymer comprising water-soluble units and units with an LCST, the units with an LCST having in water a demixing temperature of from 5 to 40 °C at a concentration of 1% by mass in water, to water in an amount sufficient to lower the surface tension or the interface tension of water.

45. (Previously Presented) The method as claimed in claim 44, in which the lowering of the surface tension or of the interface tension of water is at least 15 mN/m for a concentration of polymer in water of 0.1% by mass in the temperature range from 5 to 80 °C.

46. (Previously Presented) The method as claimed in claim 44, in which the lowering of the surface tension or of the interface tension of water is of at least 20 mN/m for a concentration of polymer in water of 0.1% by mass when the temperature is higher than the demixing temperature of the units with an LCST at this concentration.

47. (Withdrawn) A method of manufacturing a foam, comprising mixing a polymer comprising water-soluble units and units with an LCST, the units with an LCST having in water a demixing temperature of from 5 to 40 °C at a concentration of 1% by mass in water with water; and generating a foam.

48. (Withdrawn) The method as claimed in Claim 47, further comprising mixing a foaming surfactant at a concentration of less than or equal to 5% by mass.

49. (Withdrawn) A method of manufacturing an emulsion, comprising mixing a polymer comprising water-soluble units and units with an LCST, the units with an LCST having in water a demixing temperature of from 5 to 40 C at a concentration of 1% by mass in water, with water and at least one oil; and generating the emulsion, wherein the emulsion is